

3874 PTUS.ST25  
SEQUENCE LISTING

<110> SALIMBENI, Aldo et al  
<120> Process for the preparation of bicyclic hexa-peptide nepadutant  
<130> 3874PTUS  
<140> PCT/EP2003/013696  
<141> 2003-12-04  
<150> FI2002A000239  
<151> 2002-06-12  
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<223> Asp is bound to a benzyloxycarbonyl group  
  
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<222> (4)..(4)  
<223> X is Dpr (i.e. 2,3-diaminopropionic acid)  
  
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Asp Trp Phe Xaa Leu  
1 5  
  
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<223> Asp is bound to a benzyloxycarbonyl group

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<220>  
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 <222> (1)..(4)  
 <223> Asp and Dpr are bound together to form a cycle

<220>  
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Asp Trp Phe Xaa Leu  
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<220>  
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 <223> Asp and Dpr are bound together to form a cycle

<220>  
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Asp Trp Phe Xaa Leu  
 1 5

<210> 4  
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 <223> cyclic hexapeptide

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<220>  
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 <222> (1)..(1)  
 <223> Asp is bound to a benzyloxycarbonyl group and to a tert-butyl group

<220>  
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 <223> Asp and Dpr are bound together to form a cycle

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 <223> X is Dpr (i.e. 2,3-aminopropionic acid)

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Asp Asp Trp Phe Xaa Leu  
 1 5

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<220>  
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 <223> Asp and Leu are bound together to form a cycle

<220>  
 <221> BINDING  
 <222> (1)..(1)  
 <223> Asp is bound to a tert-butyl group

<220>  
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 <222> (2)..(4)  
 <223> Asp and Dpr are bound together to form a cycle

<220>  
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 <223> X is Dpr (i.e. 2,3-diaminopropionic acid)

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Asp Asp Trp Phe Xaa Leu  
 1 5

<210> 6

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<220>  
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 <223> Asp and Leu are bound together to form a cycle

<220>  
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<220>  
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 <222> (5)..(5)  
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Asp Asp Trp Phe Xaa Leu  
 1 5

<210> 7  
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<220>  
 <223> bicyclic glycopeptide

<220>  
 <221> SITE  
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 <223> Asp and Leu are bound together to form a cycle

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 <222> (1)..(1)  
 <223> Asp is bound to  
 2-acetamide-3,4,6-tri-O-acetyl-2-deoxy-beta-D-glucopyranosylamine

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 <222> (2)..(5)  
 <223> Asp and Dpr are bound together to form a cycle

<220>  
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 <222> (5)..(5)  
 <223> X is Dpr (i.e. 2,3-diaminopropionic acid)

&lt;400&gt; 7

Asp Asp Trp Phe Xaa Leu  
 1 5

&lt;210&gt; 8

&lt;211&gt; 6

&lt;212&gt; PRT

&lt;213&gt; Artificial Sequence

&lt;220&gt;

&lt;223&gt; bicyclic glycopeptide

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (1)..(6)

&lt;223&gt; Asp and Leu are bound together to form a cycle

&lt;220&gt;

&lt;221&gt; CARBOHYD

&lt;222&gt; (1)..(1)

&lt;223&gt; Asp is bound to 2-acetamide-2-deoxy-beta-D-glucopyranosylamine

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (2)..(5)

&lt;223&gt; Asp and Dpr are bound together to form a cycle

&lt;220&gt;

&lt;221&gt; MISC\_FEATURE

&lt;222&gt; (5)..(5)

&lt;223&gt; X is Dpr (i.e. 2,3-diaminopropionic acid)

&lt;400&gt; 8

Asp Asp Trp Phe Xaa Leu  
 1 5

&lt;210&gt; 9

&lt;211&gt; 4

&lt;212&gt; PRT

&lt;213&gt; Artificial Sequence

&lt;220&gt;

&lt;223&gt; tetrapeptide

&lt;220&gt;

&lt;221&gt; BINDING

&lt;222&gt; (1)..(1)

&lt;223&gt; Trp is bound to a benzyloxycarbonyl group

&lt;220&gt;

&lt;221&gt; MISC\_FEATURE

&lt;222&gt; (3)..(3)

&lt;223&gt; X is Dpr (i.e. 2,3-diaminopropionic acid)

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<220>  
 <221> MOD\_RES  
 <222> (4)..(4)  
 <223> METHYLATION

<400> 9

Trp Phe Xaa Leu  
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 <212> PRT  
 <213> Artificial Sequence

<220>  
 <223> tetrapeptide

<220>  
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<220>  
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 <222> (3)..(3)  
 <223> Dpr is bound to a tert-butoxycarbonyl group

<220>  
 <221> MOD\_RES  
 <222> (3)..(3)  
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<400> 10

Trp Phe Xaa Leu  
 1

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 <223> pentapeptide

<220>  
 <221> BINDING  
 <222> (1)..(1)

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<223> Asp is bound to a tert-butoxy group and to a benzyloxycarbonyl group

<220>

<221> MISC\_FEATURE

<222> (4)..(4)

<223> X is Dpr (i.e. 2,3-diaminopropionic acid)

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<221> BINDING

<222> (4)..(4)

<223> Dpr is bound to a tert-butoxycarbonyl group

<220>

<221> MOD\_RES

<222> (4)..(4)

<223> METHYLATION

<400> 11

Asp Trp Phe Xaa Leu

1 5